Claims

What is claimed.

1) A rolled or batt insulation material with paper facing Fig. 1.

2) The batt insulation clearly showing vertical and horizontal elastic pre-folded self-adhesive tape end with built in extensions. Fig. 1-A.

3) The horizontal flange marker the start of hanging the insulation faster. Fig. 1-B.

4) Even when the insulation bays are uneven, which is very common in renovations one worker can still install easily starting from the top flange Fig. 1-B.

5) If the insulation bay is uneven, the worker would start from the top and place the Insulation to one side or the other for a tight fit, then the worker would fill in the other side with insulation to fill in the empty gap. Then the worker would use the elastic extended flap to cover the insulation for a tight fit. Fig.1-C.

6) Showing the batt face insulation with pre-measuring marks on, so there is no need for a measuring tape. Fig. 2-A.

7) The rolled insulation, Fig. 3 clearly shows pre-measuring marks for every eight feet on the paper face. Fig.3-A.

8) Fig. 2 has all four flaps open and against the wall. Fig.2-B.

9) The double sided adhesive tape shown with the flaps sealed against the paper face so to be installed in a crawl space with the other side being pushed up against the bottom side of the floor. Fig.4-A.

10) The extended flange works well when one would need extra space below or above preexisting plumbing, and wires. Fig. 5-A.

11) Reinforced paper prefolded, hanger straps, that have double sided adhesive tape end, which very easily go down and around the unfaced section of the insulation for a secure fit to the floor joist so the insulation won't fall down. Fig. 5-B.

12) Fig. 6 – shows indivisible self-adhesive tape end 6-A.

13) Fig. 6- the paper insulation holder that is not only extra wide so as to hold the insulation better, but is very strong and permanent. Fig. 6-B.

14) The insulation batts can be easily attached by the ends, so there is no open space to allow the loss of clean air ventilation or not to let heat or air conditioning escape, so there is no condensation build up. Fig. 2-B.

15) The folded insulation can be cut at any length and rejoined, because of the double adhesive tape end that can be retaped. Fig.3.

16) The extra heavy and reinforced paper hanger, can easily be removed from the batt or rolled insulation and reconnected for another application. Fig. 6-B.

17) If the worker tears a hole into the face of the insulation, you can easily tear or cut along the perforated lines on the extra wide flange to repair the rip in the face, so there is no energy loss or condensation build-up. Fig 2-C.

18) The paper hangers that are extra wide and heavy duty can be easily reversed from one side of the insulation to the other side. Fig 5-B.

19) The double sided self adhesive tape is water resistant, so if there is a build up of water condensation, one would not have to worry about the insulation flanges failing.

20) When the worker is installing the insulation it can be removed, if not at first properly in place.

21) Because of the extra wide, and extra strong flange, you are also able to encapsulated the insulation whether or not the batts are rolled, by simply folding all the corners and attaching them to each other.

22) Encapsulated insulation can be easily hung from its own paper hangers.

23) When the worker is installing the tack full flange, all he has to do is push in and the many little tacks that are in the full flange automatically stick to any wood surface. Fig. 7-A.

24) There is no need for any tools for a complete insulation, because the insulation bats and rolled insulation has measurement marks all ready on the paper face and the extended full flanges. Fig 8-A.

25) If the insulation bays are off and a little wider then should be, then all the worker has to do is stuff the one side with some more insulation to fill in the gap. Fig 10-A.

26) This type of full flange insulation with tack, will give a full and tight fit. Fig 7-A.

27) Unlike the so called Knauf Staple-Free Batt Insulation 8-5-2004- this is very unlikely this product would ever be used in unfinished basements, or crawl spaces, but for the same price, if not less, my invention, the full flange tack insulation can be installed and not have to worry about he batts or rolled insulation falling down. Fig. 11-A.

28) Simple engineering and common sense will prove how unreliable the Knauf-Staple Free Insulation is. It will fail. But with my full flange tack insulation being installed,

there is constant horizontal pressure push against many small tacks all ways. Fig 12-A.

29) One in the profession would just look and see how much more work can be done in a shorter amount of time and completely safe for the installer that's using good gloves. Fig. 9A.

30) The full flange tacks stay within the paper flange until installed, by the installer simply pushing forward, the sides automatically push through the paper and into the wood studs, floor joists, roof rafters or the roof truss. Fig. 13-A.

31) There is no need for any other insulation support.

32) This full flange tack insulation will not fall down when installing in a vertical wall, because the many tacks digging into the wood always never letting up, but common sense will tell me, simply because of constant gravity, the Knauf Staple-Free batts 12-13 will fall down, simply because of the known open space between the 12-13 insulation and the open space using a 2x4 wall, with the constant pulling down of gravity. After a while there will be an open space at the top of the wall, and there will be a water condensation problem. Fig 14-A.

33) The fraction of a cent to install the full flange tack insulation will add dollars of savings for man hours.

34) No way to tear the paper face to cause a loss of the vapor banner, that's so important. Fig.14-A.

35) If a mistake is made, all the worker has to do is to slide their gloves in between the stud, joist, rafter or truss and slightly push their hands together, and the insulation will come out, undamaged. Fig. 15-A.